

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) An audio voice control system, comprising:

a. first input switchably coupled to a sound card output at first selection circuitry of an audio adapter;

b. a first output switchably coupled to a sound card input at second selection circuitry of the audio adapter; and

c. a voice communication device coupled to and operable to activate control circuitry, the voice communication device further operable to receive and to transmit analog signals to the control circuitry; ~~and d. —~~

wherein the control circuitry is coupled to the first selection circuitry, the second selection circuitry, and the voice communication device, ~~the control circuitry~~ and is operable

to cause analog signals to be transmitted from the first input to the voice communication device from the sound card ~~input~~ output and

to cause analog signals to be transmitted from the voice communication device through the first output to the sound card input when activated for voice communication, and

to cause analog signals to be transmitted from input circuitry to the sound card input and to cause analog signals to be transmitted from the sound card output to the output circuitry when activated for a music session,

the input circuitry being operable to receive analog signals from at least one of a microphone and a musical instrument.

2. (original) The system of claim 1, wherein the input circuitry is further operable to perform common mode rejection on the analog signals from the at least one of the microphone and the musical instrument.
3. (original) The system of claim 1, wherein at least one of the first selection circuitry and the second selection circuitry comprises circuitry from one of the group consisting of a multiplexer and a switch.
4. (original) The system of claim 1, wherein the first input is releasably switchably coupled to the sound card output at the first selection circuitry, and the first output is releasably switchably coupled to the sound card input at the second selection circuitry.
5. (original) The system of claim 1, wherein the output circuitry is operable to maintain resistive isolation of the analog signals transmitted to the sound card input from the analog signals transmitted from the sound card output to the output circuitry.
6. (original) The system of claim 2, wherein the output circuitry is operable to maintain resistive isolation of the analog signals from the at least one of the microphone and the musical instrument from the analog signals transmitted from the sound card output to the output circuitry.
7. (original) The system of claim 1, wherein the analog signals caused by the control circuitry to be transmitted from the first input to the voice communication device from the sound card output when activated for voice communication comprise signals converted from digital voice communication data received from a computer coupled to the sound card input and the sound card output.

8. (original) The system of claim 1, wherein the voice communication device is wirelessly coupled to the control circuitry.

9. (original) The system of claim 1, wherein the voice communication device is releasably coupled to the control circuitry.

10. (currently amended) The system of claim 1, ~~wherein:~~

a. wherein the control circuitry is further operable to receive an activation signal from the voice communication device;

b. wherein the voice communication device comprises a sensor operable to sense whether a user is activating the device and to, if the user is activating the device, automatically send the activation signal to the control circuitry and cause the transmission of the analog signals from the first input to the voice communication device from the sound card ~~input~~ output and from the voice communication device through the first output to the sound card input and to, when the user is not activating the device, automatically allow the analog signals to be transmitted from the input circuitry to the sound card input and from the sound card output to the output circuitry; and

c. wherein the sensor is selected from the group consisting of an inductive sensor, a capacitive sensor, an infrared sensor, an electromechanical switch, and an optical sensor.

11. (currently amended) The system of claim 1, ~~further comprising~~ wherein the voice communication device comprises a hook and cradle device coupled to the control circuitry and operable to receive analog signals transmitted from the first input from the sound card ~~input~~ output and to send analog signals to be transmitted through the first

output to the sound card input when activated for voice communication.

12. (currently amended) The system of claim ~~11~~ 1, wherein the voice communication device comprises a headset.

13. (original) The system of claim 1, wherein the voice communication device comprises a hook and cradle device.

14. (currently amended) The system of claim 1, further comprising volume monitoring circuitry coupled to the sound card output and the first selection circuitry and operable to monitor at least one parameter of the analog signals transmitted to the first ~~output~~ input, the at least one parameter being selected from the group consisting of amplitude and frequency.

15. (currently amended) An audio voice communication method, comprising:

a. switchably coupling a first input to a sound card output at first selection circuitry of an audio adapter;

b. switchably coupling a first output to a sound card input at second selection circuitry of the audio adapter;

c. coupling a voice communication device to control circuitry, the voice communication device being operable to activate the control circuitry and to receive ~~from~~, and transmit analog signals to and from; the control circuitry; and

d. coupling the control circuitry to the first selection circuitry, the second selection

10 circuitry, and the voice communication device, the control circuitry being operable
to cause analog signals to be transmitted from the first input to the voice communication
device from the sound card ~~input~~ output and
to cause analog signals to be transmitted from the voice communication device through
the first output to the sound card input when activated for voice communication, and
15 to cause analog signals to be transmitted from input circuitry to the sound card input and
to cause analog signals to be transmitted from the sound card output to the output
circuitry when activated for a music session,
the input circuitry being operable to receive analog signals from at least one of a
microphone and a musical instrument.

16. (currently amended) The method of claim 15, ~~further comprising the input circuitry~~
being wherein the input circuitry is further operable to perform common mode rejection
on the analog signals from the at least one of the microphone and the musical instrument.

17. (currently amended) The method of claim 15, ~~further comprising~~ wherein at least
one of the first selection circuitry and the second selection circuitry ~~comprising~~ comprises
circuitry selected from ~~one of~~ the group consisting of a multiplexer and a switch

18. (currently amended) The method of claim 15, further comprising releasably
switchably coupling the first input to the sound card output at the first selection circuitry,
and releasably switchably coupling the first output to the sound card input at the second
selection circuitry.

19. (currently amended) The method of claim 15, ~~further comprising~~ wherein the analog
signals caused by the control circuitry to be transmitted from the first input to the voice
communication device from the sound card output when activated for voice

communication ~~comprising~~ comprises signals converted from digital voice communication data received from a computer coupled to the sound card input and the sound card output.

20. (currently amended) The ~~system of claim 1~~ method of claim 15, further comprising ~~the output circuitry being operable to maintain~~ maintaining resistive isolation of the analog signals transmitted to the sound card input from the analog signals transmitted from the sound card output to the output circuitry.

21. (new) The system of claim 1 which is operable to control the receiving, processing, and routing of digital voice communication data from communication ports, and to control the receiving, processing, and routing of analog voice data for transmission in digital form to communication ports.

22. (new) The system of claim 1 which is operable to control the receiving, processing, and routing of digital voice communication data from sound card output and to control the receiving, processing, and routing of analog voice data to sound card input.

23. (new) The system of claim 1, further comprising means providing voice communication functionality selected from the group consisting of call screen functionality and call block functionality coupled to the control circuitry.

24. (new) The system of claim 1, wherein the control circuitry is activated by inputs from the group consisting of voice commands, programmable key pads, wireless technologies, electromechanical buttons and switches, and voice controlled hand and foot controllers.

25. (new) The system of claim 1 further comprising a third output coupled to the control

circuitry and releasably coupled to a computer, wherein the control circuitry is operable to send voice computer control commands to the computer.

26. (new) The system of claim 1 wherein controls are coupled to an adapter housing to allow the control switching to be performed within the adapter.

27. (new) The system of claim 1 wherein the control circuitry is operable to control the receiving, processing, and routing of analog voice data.

28. (new) The method of claim 15 further comprising controlling the receiving, processing, and routing of analog voice data

29. (new) The method of claim 15 further comprising providing call screen functionality and call block functionality.

30. (new) The method of claim 15 further comprising activating the control circuitry by inputs selected from the group consisting of voice commands, programmable key pads, wireless technologies, electromechanical buttons and switches, voice controlled hand and foot controllers.

31. (new) The method of claim 15 further comprising sending voice computer control commands to the computer.

32. (new) The method of claim 15 further comprising wirelessly coupling the voice communication device to the control circuitry.

33. (new) The method of claim 15 further comprising releasably coupling the voice communication device to the control circuitry.

34. (new) The method of claim 15 further comprising receiving an activation signal from the

voice communication device,
sensing whether a user is activating the device and, if the user is activating the device,
automatically sending the activation signal to the control circuitry and cause the transmission of
the analog signals from the first input to the voice communication device from the sound card
output and from the voice communication device through the first output to the sound card input
and,
if the user is not activating the device,
automatically allowing the analog signals to be transmitted from the input circuitry to the sound
card input and from the sound card output to the output circuitry;

wherein the sensor is selected from the group consisting of an inductive sensor, a capacitive
sensor, an infrared sensor, an electromechanical switch, and an optical sensor.

35. (new) The method of claim 16, wherein the output circuitry is operable to maintain
resistive isolation of the analog signals from the at least one of the microphone and the
musical instrument from the analog signals transmitted from the sound card output to the
output circuitry.

36. (new) The method of claim 15, wherein the voice communication device comprises a
hook and cradle device coupled to the control circuitry and operable to receive analog
signals transmitted from the first input from the sound card output and to send analog
signals to be transmitted through the first output to the sound card input when activated
for voice communication.

37. (new) The method of claim 15, wherein the voice communication device comprises a
headset.

38. (new) The method of claim 15, wherein the voice communication device comprises a

hook and cradle device.

39. (new) The method of claim 15, further comprising monitoring at least one parameter of the analog signals transmitted to the first input, the at least one parameter being selected from the group consisting of amplitude and frequency.

40. (new) The method of claim 15 further comprising controlling the receiving, processing, and routing of digital voice communication data from communication ports, and
controlling the receiving, processing, and routing of analog voice data for transmission in digital form to communication ports.

41. (new) The method of claim 15, further comprising controlling the receiving, processing, and routing of digital voice communication data from sound card output, and controlling the receiving, processing, and routing of analog voice data to sound card input.

42. (new) The method of claim 15 further comprising coupling controls to an adapter housing and performing the control switching within the adapter housing.

43. (new) An audio voice communication system comprising:

a. means for switchably coupling a first input to a sound card output at first selection circuitry of an audio adapter;

b. means for switchably coupling a first output to a sound card input at second selection circuitry of the audio adapter;

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c. means for coupling a voice communication device to control circuitry, the voice communication device being operable to activate the control circuitry and to receive and transmit analog signals to and from the control circuitry; and

d. means for coupling the control circuitry to the first selection circuitry, the second
10 selection circuitry, and the voice communication device, the control circuitry being operable

to cause analog signals to be transmitted from the first input to the voice communication device from the sound card output and

to cause analog signals to be transmitted from the voice communication device through
15 the first output to the sound card input when activated for voice communication, and

to cause analog signals to be transmitted from input circuitry to the sound card input and
to cause analog signals to be transmitted from the sound card output to the output
circuitry when activated for a music session,

the input circuitry being operable to receive analog signals from at least one of a
20 microphone and a musical instrument.